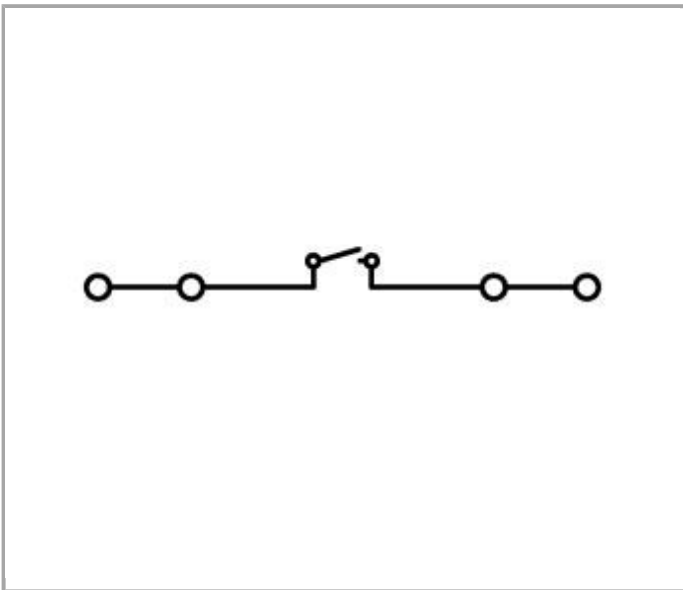
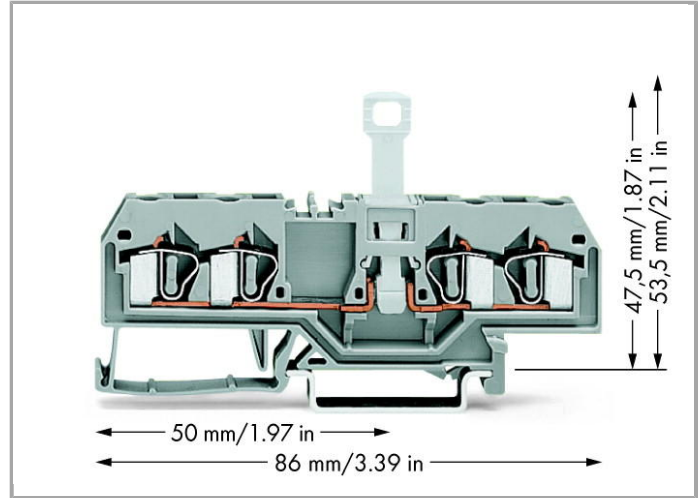
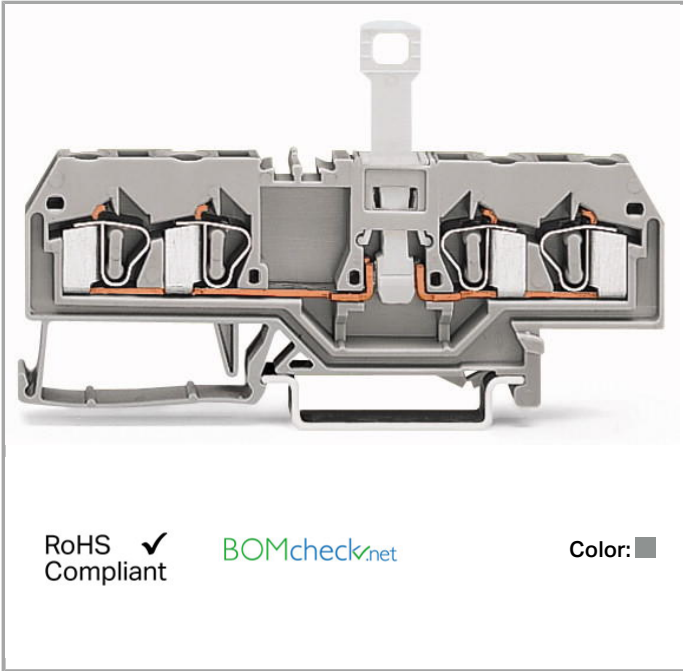


Data sheet | Item number: 281-659

4-conductor disconnect terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm<sup>2</sup>; CAGE CLAMP®



[www.wago.com/281-659](http://www.wago.com/281-659)



Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)

400 V



|                                 |  |
|---------------------------------|--|
| Rated impulse voltage (III / 3) | 6 kV   |
| Rated current                   | 10 A   |
| Legend (ratings)                | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

### Connection data

|                                   |  |
|-----------------------------------|--|
| Connection technology             | CAGE CLAMP®                                |
| Actuation type                    | Operating tool                             |
| Connectable conductor materials   | Copper<br>Aluminum                         |
| Solid conductor                   | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor           | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                      | 9 ... 10 mm / 0.35 ... 0.39 Inch           |
| Total number of connection points | 4  |
| Total number of potentials        | 2  |
| Number of levels                  | 1  |
| Type of wiring                    | Front-entry wiring                         |

### Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 6 mm / 0.236 inch    |
| Height from upper-edge of DIN-35 rail | 53.5 mm / 2.106 inch |
| Depth                                 | 86 mm / 3.386 inch   |

### Mechanical data

|                  |                |
|------------------|----------------|
| Design           | horizontal     |
| Type of mounting | DIN-35 rail    |
| Marking level    | Center marking |

### Material Data



|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.218 MJ             |
| Weight              | 13.345 g             |

### Commercial data




|                    |                                  |
|--------------------|----------------------------------|
| Country of origin  | DE                               |
| GTIN               | 4044918837781                    |
| Customs Tariff No. | 85365080990                      |
| Product Group      | 1 (Rail Mounted Terminal Blocks) |

### Approvals / Certificates

## Country specific Approvals






| Logo   | Approval                        | Certificate name |
|--|---------------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | NTR NL-7454/A1   |
|  | CCA<br>DEKRA Certification B.V. | NTR NL-7454/A1   |
|  | CSA<br>DEKRA Certification B.V. | 1505034          |
|  | CSA<br>DEKRA Certification B.V. | 1505034          |


## Ship Approvals

| Logo   | Approval                           | Certificate name |
|--|------------------------------------|------------------|
|    | ABS<br>American Bureau of Shipping | 14-HG1293677-PDA |
|  | BV<br>Bureau Veritas S.A.          | 07436/E0 BV      |
|  | LR<br>Lloyds Register              | 91/20112 (E9)    |





## Compatible products

## Carrier rail







|  |   |  |
|--|---|--|
|  | Item no.: 210-112<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a> |
|  | Item no.: 210-113<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715                  | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a> |
|  | Item no.: 210-114<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715                   | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a> |
|  | Item no.: 210-115<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a> |
|  | Item no.: 210-118<br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715                 | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |
















|  |   |  |
|--|---|--|
|  | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715          | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a> |
|  | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715                | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a> |
|  | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715           | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a> |
|  | <b>Item no.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715   | <a href="http://www.wago.com/210-504">www.wago.com/210-504</a> |
|  | <b>Item no.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715 | <a href="http://www.wago.com/210-505">www.wago.com/210-505</a> |
|  | <b>Item no.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715  | <a href="http://www.wago.com/210-506">www.wago.com/210-506</a> |
|  | <b>Item no.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715    | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a> |

#### General accessories

|  |   |  |
|--|---|--|
|    | <b>Item no.: 209-107</b><br>Test socket; insulated; 2 mm Ø  | <a href="http://www.wago.com/209-107">www.wago.com/209-107</a> |
|   | <b>Item no.: 209-108</b><br>Test socket; insulated; 2.3 mm Ø  | <a href="http://www.wago.com/209-108">www.wago.com/209-108</a> |
|  | <b>Item no.: 249-105</b><br>Group marker carrier  | <a href="http://www.wago.com/249-105">www.wago.com/249-105</a> |
|  | <b>Item no.: 709-170</b><br>Disconnect lock; for disconnect tab used on 280/281 and 769 Series disconnect terminal blocks | <a href="http://www.wago.com/709-170">www.wago.com/709-170</a> |

#### Marking accessories

|  |   |  |
|--|---|--|
|  | <b>Item no.: 2009-115</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         | <a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>                 |
|  | <b>Item no.: 2009-115/000-002</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a> |
|  | <b>Item no.: 2009-115/000-006</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a> |
|  | <b>Item no.: 2009-115/000-007</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a> |
|  | <b>Item no.: 2009-115/000-012</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a> |
|  | <b>Item no.: 2009-115/000-017</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a> |

|  |   |  |
|--|---|--|
|    | <b>Item no.: 2009-115/000-023</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                           | <a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a> |
|    | <b>Item no.: 2009-115/000-024</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                           | <a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a> |
|    | <b>Item no.: 793-501</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501">www.wago.com/793-501</a>                   |
|    | <b>Item no.: 793-501/000-002</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a>   |
|    | <b>Item no.: 793-501/000-005</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a>   |
|    | <b>Item no.: 793-501/000-006</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a>   |
|    | <b>Item no.: 793-501/000-007</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>   |
|  | <b>Item no.: 793-501/000-012</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a>   |
|  | <b>Item no.: 793-501/000-017</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>   |
|  | <b>Item no.: 793-501/000-023</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a>   |
|  | <b>Item no.: 793-501/000-024</b><br>WMB marking card; as card; not stretchable; plain; snap-on type   | <a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>   |
|  | <b>Item no.: 793-5501</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type         | <a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>                 |
|  | <b>Item no.: 793-5501/000-002</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type | <a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a> |
|  | <b>Item no.: 793-5501/000-005</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | <a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a> |
|  | <b>Item no.: 793-5501/000-006</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | <a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a> |



**Item no.: 793-5501/000-007**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-007](http://www.wago.com/793-5501/000-007)



**Item no.: 793-5501/000-012**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)



**Item no.: 793-5501/000-017**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)



**Item no.: 793-5501/000-023**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)



**Item no.: 793-5501/000-024**  
WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

[www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)

#### ferrule



**Item no.: 216-106**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; uninsulated; electro-tin plated

[www.wago.com/216-106](http://www.wago.com/216-106)



**Item no.: 216-201**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; insulated; electro-tin plated

[www.wago.com/216-201](http://www.wago.com/216-201)



**Item no.: 216-202**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; insulated; electro-tin plated

[www.wago.com/216-202](http://www.wago.com/216-202)



**Item no.: 216-203**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated

[www.wago.com/216-203](http://www.wago.com/216-203)



**Item no.: 216-204**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated

[www.wago.com/216-204](http://www.wago.com/216-204)



**Item no.: 216-205**  
Ferrule; Sleeve for 2.08 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated

[www.wago.com/216-205](http://www.wago.com/216-205)



**Item no.: 216-206**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated

[www.wago.com/216-206](http://www.wago.com/216-206)



**Item no.: 216-241**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

[www.wago.com/216-241](http://www.wago.com/216-241)



**Item no.: 216-242**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

[www.wago.com/216-242](http://www.wago.com/216-242)



**Item no.: 216-243**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

[www.wago.com/216-243](http://www.wago.com/216-243)



**Item no.: 216-244**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

[www.wago.com/216-244](http://www.wago.com/216-244)

**Item no.: 216-246**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight

[www.wago.com/216-246](http://www.wago.com/216-246)



crimped; acc. to DIN 46228, Part 4/09.90



**Item no.: 216-301**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

[www.wago.com/216-301](http://www.wago.com/216-301)



**Item no.: 216-302**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

[www.wago.com/216-302](http://www.wago.com/216-302)

### Insulation stop



**Item no.: 281-470**  
Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip

[www.wago.com/281-470](http://www.wago.com/281-470)



**Item no.: 281-471**  
Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip

[www.wago.com/281-471](http://www.wago.com/281-471)



**Item no.: 281-472**  
Insulation stop; 0.75 - 1.5 mm<sup>2</sup>; 5 pieces/strip

[www.wago.com/281-472](http://www.wago.com/281-472)

### Protective Warning Marker



**Item no.: 281-415**  
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks

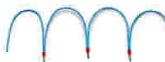
[www.wago.com/281-415](http://www.wago.com/281-415)

### Jumper



**Item no.: 210-103**  
Wire commoning chain; insulated; 50 connections

[www.wago.com/210-103](http://www.wago.com/210-103)



**Item no.: 210-123**  
Wire commoning chain; insulated; 50 connections

[www.wago.com/210-123](http://www.wago.com/210-123)



**Item no.: 281-482**  
Comb-style jumper bar; insulated; 2-way; IN = IN terminal block

[www.wago.com/281-482](http://www.wago.com/281-482)



**Item no.: 281-483**  
Comb-style jumper bar; insulated; 3-way; IN = IN terminal block

[www.wago.com/281-483](http://www.wago.com/281-483)



**Item no.: 281-485**  
Comb-style jumper bar; insulated; 5-way; IN = IN terminal block

[www.wago.com/281-485](http://www.wago.com/281-485)



**Item no.: 281-490**  
Comb-style jumper bar; insulated; 10-way; IN = IN terminal block

[www.wago.com/281-490](http://www.wago.com/281-490)



**Item no.: 281-492**  
Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block

[www.wago.com/281-492](http://www.wago.com/281-492)



**Item no.: 709-110**  
Wire commoning chain; insulated; 4 connections; 3 x 110 mm

[www.wago.com/709-110](http://www.wago.com/709-110)



**Item no.: 709-111**  
Wire commoning chain; insulated; 3 connections; 2 x 120 mm




[www.wago.com/709-111](http://www.wago.com/709-111)





**Item no.: 709-112**  
Wire commoning chain; insulated; 3 connections; 2 x 170 mm

[www.wago.com/709-112](http://www.wago.com/709-112)




### End plate

|  |  |  |
|--|--|--|
|  | <b>Item no.: 281-334</b><br>End and intermediate plate; 2.5 mm thick | <a href="http://www.wago.com/281-334">www.wago.com/281-334</a> |
|  | <b>Item no.: 281-335</b><br>End and intermediate plate; 2.5 mm thick | <a href="http://www.wago.com/281-335">www.wago.com/281-335</a> |
|  | <b>Item no.: 281-338</b><br>Separator plate; 2 mm thick; oversized   | <a href="http://www.wago.com/281-338">www.wago.com/281-338</a> |
|  | <b>Item no.: 281-339</b><br>Separator plate; 2 mm thick; oversized   | <a href="http://www.wago.com/281-339">www.wago.com/281-339</a> |




assembling

|  |   |  |
|--|---|--|
|  | <b>Item no.: 209-106</b><br>Mounting carrier; for isolated mounting on DIN 35 rails     | <a href="http://www.wago.com/209-106">www.wago.com/209-106</a> |
|  | <b>Item no.: 709-153</b><br>Cover; Type 1; suitable for cover carrier, type 1; 1 m long | <a href="http://www.wago.com/709-153">www.wago.com/709-153</a> |

check

|  |   |  |
|--|---|--|
|    | <b>Item no.: 210-136</b><br>Test plug; 2 mm Ø; with 500 mm cable  | <a href="http://www.wago.com/210-136">www.wago.com/210-136</a> |
|   | <b>Item no.: 210-137</b><br>Test plug; 2.3 mm Ø; with 500 mm cable  | <a href="http://www.wago.com/210-137">www.wago.com/210-137</a> |
|  | <b>Item no.: 249-141</b><br>L-type test plug module; modular; with spring-loaded contact pin; Center module | <a href="http://www.wago.com/249-141">www.wago.com/249-141</a> |

tools

|  |  |  |
|--|--|--|
|  | <b>Item no.: 210-657</b><br>Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short         | <a href="http://www.wago.com/210-657">www.wago.com/210-657</a> |
|  | <b>Item no.: 210-658</b><br>Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled | <a href="http://www.wago.com/210-658">www.wago.com/210-658</a> |
|  | <b>Item no.: 210-720</b><br>Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm        | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |

Downloads

Documentation

Bid Text

|         |              |                |          |
|---------|--------------|----------------|----------|
| 281-659 | Oct 12, 2017 | DOC<br>25.1 kB | Download |
|---------|--------------|----------------|----------|

smartDATA

CAD data





3D Download 281-659

URL

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Subject to changes.

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